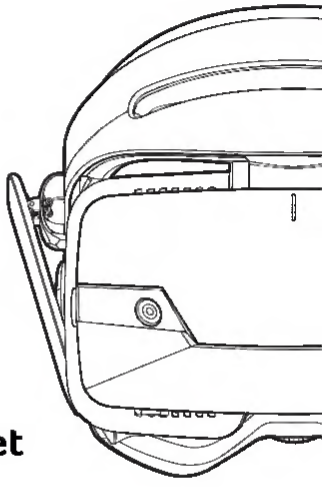


# Acer Mixed Reality Headset

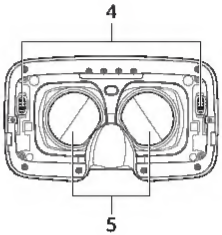
Quick Start Guide

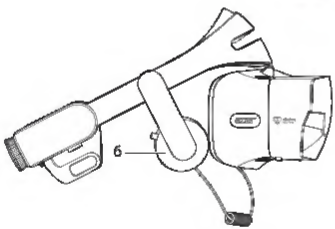
2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20 / 21 / 22 / 23 / 24 / 25

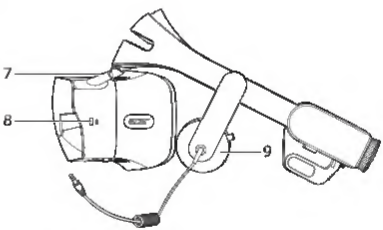
# Overviews

English

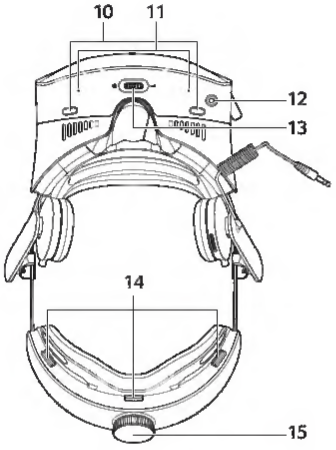
## *AH501S*



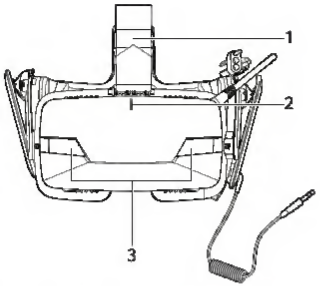



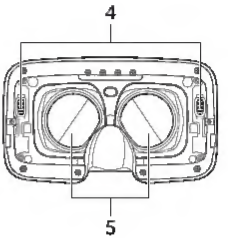

| | | | |
|---|---|---|---|
| 1 | Strap hinge | 6 | Headphone (right) |
| 2 | Optical sensors | 7 | HDMI / USB cable |
| 3 | Power indicator | 8 | Kensington lock slot |
| 4 | Speaker | 9 | Headphone (left) |
| 5 | Display lenses | | |

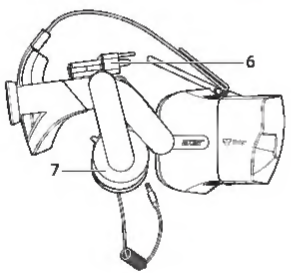


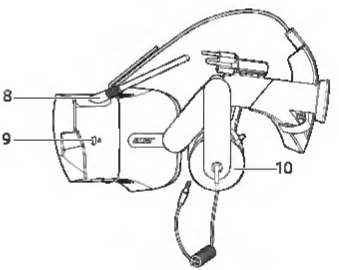
| | | | |
|---|---|---|---|
| 10 | Optical portion release latch | 15 | Headstrap adjusting knob |
| 11 | Microphone | 16 | Headphone (left) |
| 12 | Headphone jack | 17 | Headset clips and hinges |
| 13 | IPD adjusting knob | 18 | Volume adjusting knob |
| 14 | Cable management grooves | 19 | Headphone (right) |

*AH501P*

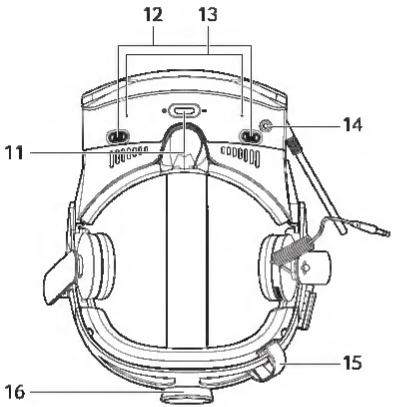


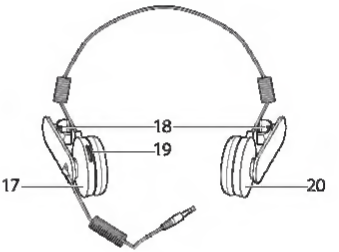




| | | | |
|---|---|---|---|
| 1 | Velcro strap | 6 | Cable organizer |
| 2 | Power indicator | 7 | Headphone (right) |
| 3 | Optical sensors | 8 | HDMI / USB cable |
| 4 | Speaker | 8 | Kensington lock slot |
| 5 | Display lenses | 10 | Headphone (left) |




| | | | |
|---|---|---|---|
| 11 | IPD adjusting knob | 16 | Headstrap adjusting knob |
| 12 | Optical portion release latch | 17 | Headphone (left) |
| 13 | Microphone | 18 | Headset clips and hinges |
| 14 | Headphone jack | 19 | Volume adjusting knob |
| 15 | Cable organizer | 20 | Headphone (right) |

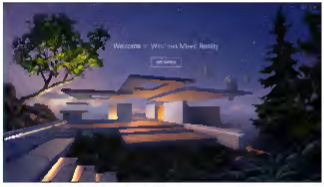
# Getting started

***Note:*** *The headset requires Windows RS4 Update and an internet connection to download updates.*

## Connecting your headset

Connect the HDMI and USB connectors to your computer.

1. After a short delay, the setup app will start automatically.



2. Follow the instructions.

   Set up includes a hardware compatibility check, connecting your controllers, and optionally setting the boundaries of your room (if you plan to walk while using the headset).

   *If you need some help, select* ***Get help*** *in the bottom-left corner.*

***Note:*** *Do not wear the headset until you have finished the set up process.*

## Set up your controllers

After finishing setting up your headset, you will see the Mixed Reality Portal window. Refer to the Controller Quick Start Guide to turn on your controller. The headset and the controller will be paired automatically. Or you can set up the controllers with your computer by going to **Windows Settings** > **Devices** > **Add Bluetooth or other devices** > **Bluetooth**, then following the instructions in Controller Quick Start Guide.

***Note:*** *Connections depend on the type of controller, please check the Controller Quick Start Guide.*

After setting up your controllers, choose how you will use your headset (with or without a boundary) and follow the instructions.

## Assembling your headphones

To use headphones that come with the package, please follow the assembling instructions and connect them to the headphone jack before starting the tutorial.

***Note:*** *Headphones are recommended for a fully immersive experience.*

1. The headphone with a volume adjusting wheel is for your left ear. Align the clip on the headphone first with the mark on the headstrap lower edge then the upper one. Push them together until you hear a click. Repeat to the other side.
2. Plug in the headphone jack.

3. To make it easier to put on the headset, please pinch at the clip on the top of each headphones to extend them until you feel them click into place.
4. Put on the headset and adjust the headstrap by turning the knob at the back of your head until you feel it is secured comfortably. Fit the headphone against your ears.

## Complete the tutorial

The tutorial will instruct you on how to use the headset and controllers.

## Acer IPD Meter and IPD Indicator

For the optimal user experience, please download the **Acer IPD Meter** and **Acer IPD Indicator** for your computer and smartphone. With these two apps you can measure your interpupillary distance (IPD) by following the instructions on the screens. To adjust the headset to fit your IPD measured by the IPD meter, please turn the knob at the bottom of the headset. IPD Indicator will pop-up on the screen and display the current IPD setting of the device.

**Important Healthy and Safety Information**
Carefully read the following warnings and information before use of the product and follow all product safety and operating instructions. Failure to follow these instructions may cause injury and damage to your body, equipment and property.

**[Warning] Be safe to use this product**

- Consult your doctor before using the product if you have pre-existing serious medical conditions (such as a heart ailment), conditions that affect your ability to safely perform physical activities, psychiatric conditions (such as anxiety disorders or post-traumatic stress disorder), or if you are pregnant or elderly.
- Do not use the product if you are sick, fatigued, under the influence of intoxicants/drugs, or are not feeling generally well, as it may exacerbate your condition.
- A comfortable virtual reality experience requires an unimpaired sense of motion and balance. Do not use this device when you are tired, need sleep, are under the influence of alcohol or drugs, are hung-over, have digestive problems, are under emotional stress or anxiety, or are suffering from cold, flu, headaches, migraines, or earaches, as this can increase your susceptibility to adverse symptoms.
- Do not handle sharp or otherwise dangerous objects while using this device. Never wear the device in situations that require attention, such as walking, bicycling, or driving.
- Do not use this device while in a moving vehicle such as a car, bus, or train, as this can increase your susceptibility to adverse symptoms.

**[Warning] Children**

- Adults should make sure children (age 6 and older) use the headset in accordance with these health and safety warnings and instructions and only with age appropriate content. Adults should monitor children who are using or have used the headset for any of the symptoms in these instructions, and should limit the time children spend using the headset and ensure they take frequent breaks during use. Prolonged use should be avoided, as this could negatively impact hand-eye coordination, balance and multi-tasking ability. Adults should monitor children closely during and after use of the headset for any decrease in these abilities.
- Do not leave the product within the reach of young children or allow them to use or play with it. They can hurt themselves or others, or damage the product.
- The product may contain small parts with sharp edges that may cause an injury or which could become detached and create a choking hazard for young children. Consult your doctor immediately if any parts of the product or accessories are swallowed.

**[Warning] Seizures:**
Some people (about 1/4000) may have severe dizziness, seizures, eye or muscles twitching or blackouts triggered by light flashes or patterns, and this may occur while they are watching TV, playing video games or experiencing virtual reality, even if they have never had a seizure or blackout before, or have no history of seizures or epilepsy. Such seizures are more common in children and young people under the age of 20. Anyone who experiences any of these symptoms should discontinue use of the headset and see a doctor. Anyone who previously has had a seizure, loss of awareness, or other symptom linked to an epileptic condition should see a doctor before using the headset.
To reduce the likelihood of a seizure, do not use the product if you are tired or need sleep.

**[Use only in a safe environment]**
While wearing the product's headset you are blind to the world around you. The image displayed in the headset will not match the real world. Always use the product in a clear and safe area. Do not rely on the product's chaperone system for protection. Do not use near stairways, large windows, heat sources, or outdoors. Clear the play area of people, furniture, and other things that may be obstacles or block you from freely moving around. For example, if a pet comes into the room while you are using the product, you likely will not be aware of the pet's presence and you could trip over your pet while moving in the virtual reality environment.

- Be Aware of the Cable and Connections
  Keep in mind the location of the cable and connections running from the headset so that you are not likely to trip over or pull on them while moving around or walking around the play area. Move your feet slowly and carefully to avoid tripping, including on the cable. Make sure to maintain good footing. Tripping over the cable or contacting obstacles could cause injury or damage.
- Take Care of the Controllers
  While using the hand controllers, always check that you have sufficient overhead and surrounding clearance to allow you to fully extend your arms outward and upwards. Hitting persons or objects may cause injury or damage. Hold the controllers firmly and always use the wrist straps. If released while using, it may cause injury or damage.
- It is recommended that the product be used only while under the supervision of another person who is ready to warn of hazards that may arise while the product is being used. Examples of hazards that could arise include, but are not limited to, tangling of a cable in a manner that presents a tripping hazard, pets entering the area where the product is being used, and the user walking too close to a wall or another hazard).

**Use Only In A Safe Environment**
The headset produces an immersive virtual reality experience that distracts you from and completely blocks your view of your actual surroundings.

- **Always be aware of your surroundings before beginning use and while using the headset. Use caution to avoid injury.**
- Use of the headset may cause loss of balance.
- Remember that the objects you see in the virtual environment do not exist in the real environment, so don't sit or stand on them or use them for support.
- Remain seated unless your game or content experience requires standing.

- Serious injuries can occur from tripping, running into or striking walls, furniture or other objects, so clear an area for safe use before using the headset.
- Take special care to ensure that you are not near other people, objects, stairs, balconies, open doorways, windows, furniture, open flames, ceiling fans or light fixtures or other items that you can bump into or knock down when using - or immediately after using - the headset.
- Remove any tripping hazards from the area before using the headset.
- Remember that while using the headset you may be unaware that people and pets may enter your immediate area.

**[Warning] Interference with medical devices**

The product contains magnets or components that emit radio waves, which could affect the operation of nearby electronics, including cardiac pacemakers, hearing aids and defibrillators. If you have a pacemaker or other implanted medical device, do not use the headset without first consulting your doctor or the manufacturer of your medical device. Maintain a safe distance between the product and your medical devices, and stop using if you observe a persistent interference with your medical device.

- Do not use your device in a hospital, on an aircraft, or in any automobile that can be affected by radio frequencies. Doing so may cause malfunctions of equipment and may result in injury or damage to property.

**[Precaution when using this device]**

- Make sure the headset and sensor cables are not choking or tripping hazards.
- Take at least a 10-to-15 minute break every 30 minutes, even if you don't think you need it. Each person is different, so take more frequent and longer breaks if you feel discomfort. You should decide what works best.
- Ease into the use of this device to allow your body to adjust. Use the device for only a few minutes at a time at first, and only increase the amount of time using this device gradually as you grow accustomed to virtual reality. Looking around when first entering virtual reality can help you adjust to any small differences between your real-world movements and the resulting virtual reality experience.
- Make sure this device is level and secured comfortably on your head, and make sure that you see a single, clear image.
- Keep the product away from excessive moisture and extreme temperatures. Do not leave the product in places such as on a car dashboard, window sill, or behind a glass that is exposed to direct sunlight or strong ultraviolet light for extended periods of time. The headset contains lenses which may focus and intensify bright light sources, causing damage to the hardware.
- Do not use the device if errors occur. Continued use of the device after errors occur may result in discomfort or personal injury.
- If you are allergic to the paint or metal parts on the device, you may experience itching, eczema, or swelling of the skin. If this happens, stop using the device and consult your physician.

**[Warning] Loss of hearing**

- Do not use the earphones at a high volume for prolonged periods of time, or permanent hearing loss may occur.
- Listening to sound at high volumes can cause irreparable damage to your hearing. Background noise, as well as continued exposure to high volume levels, can make sounds seem quieter than they actually are. Due to the immersive nature of the virtual reality experience, do not use the headset with the sound at a high volume so that you can maintain awareness of your surroundings and reduce the risk of hearing damage.
- **Protect your hearing and ears when using a headset.**
  - Always turn the volume down before plugging the earphones into an audio source, and use only the minimum volume setting necessary to hear music.
  - Ensure the headset cable is not twisted around nearby objects.

**[Warning] Discomfort**

- Immediately stop using the headset if any of the following symptoms are experienced: seizures; loss of awareness; eye strain; eye or muscle twitching; involuntary movements; altered, blurred, or double vision or other visual abnormalities; dizziness; disorientation; impaired balance; impaired hand-eye coordination; excessive sweating; increased salivation; nausea; light-headedness; discomfort or pain in the head or eyes; drowsiness; fatigue; or any symptoms similar to motion sickness.
- Just as with the symptoms people can experience after they disembark a cruise ship, symptoms of virtual reality exposure can persist and become more apparent hours after use. These post-use symptoms can include the symptom above, as well as excessive drowsiness and decreased ability to multi-task. These symptoms may put you at an increased risk of injury when engaging in normal activities in the real world.
- Do not drive, operate machinery, cutting, cook or engage in other visually or physically demanding activities that have potentially serious consequences (i.e., activities in which experiencing any symptoms could lead to death, personal injury or damage to property), or other activities that require unimpaired balance and hand-eye coordination (such as playing sports or riding a bicycle, skiing, swimming, skating, etc.) until you have fully recovered from any symptoms.
- Do not use the headset until all symptoms have completely subsided for several hours. Make sure you have properly configured the headset before resuming use.
- Be mindful of the type of content that you were using prior to the onset of any symptoms because you may be more prone to symptoms based upon the content being used
- See a doctor if you have serious and/or persistent symptoms.

**[Warning] Repetitive Stress Injuries**

- Operate the product in a comfortable posture. Do not grip the product too tightly. Press the buttons lightly. If you

have tingling, numbness, stiffness, throbbing, or other discomfort, immediately stop using the product and consult your doctor.
- Prolonged use of this device and input devices (e.g., s) can make your muscles, joints, or skin hurt. If any part of your body becomes tired or sore while playing, or if you feel symptoms such as tingling, numbness, burning, or stiffness, stop and rest for several hours before playing again. If you continue to have any of the above symptoms or other discomfort during or after play, stop using this device and consult a physician.

**[Physical and Psychological Effects]**

Content viewed using the product can be intense, immersive, and appear very life-like and may cause your brain and body to react accordingly. Certain types of content (e.g. violent, scary, emotional, or adrenaline-based content) could trigger increased heart rate, spikes in blood pressure, panic attacks, anxiety, PTSD, fainting, and other adverse effects. If you have a history of negative physical or psychological reactions to certain real life circumstances, avoid using the product to view similar content. Similarly, it is important to remember that simulated objects, such as furniture, that may be encountered while using the product do not exist in the real world, and injuries may result when interacting with those simulated objects as if they were real, for example, by attempting to sit down on a virtual chair.

**[Avoid Overuse]**

Prolonged, uninterrupted use of the product should be avoided. It may negatively impact hand-eye coordination, balance, and/or cause other negative effects. While using the product frequently and for prolonged periods of time, you may experience tiredness or soreness in your muscles, joints, or other body parts. Take regular breaks from using the product. The length and frequency of necessary breaks may vary from person to person.

**[General precautions]**

- Protect the product and use only approved accessories. Non-approved product or accessories may cause injury and damage.
- Use the device for its intended purpose only.
- Do not paint the product or its accessories.
- Avoid using the product after a dramatic change in temperature.
  - NOTICE: When taking the product from low-temperature conditions into a warmer environment or from high-temperature conditions into a cooler environment, allow the product to acclimate to room temperature before turning on power.
- Do not share the headset with persons with contagious conditions, infections or diseases, particularly of the eyes, skin or scalp. The headset should be cleaned between each use with skin-friendly non-alcoholic antibacterial wipes and with a dry micro fiber cloth for the lenses.
- The headset is worn next to your skin and scalp. Stop using the headset if you notice swelling, itchiness, skin irritation or other skin reactions. If symptoms persist, contact a doctor.
- Do not drop or cause an impact to the device.
- Do not use or store your device in areas with high concentrations of dust or airborne materials. Dust or foreign materials can cause your device to malfunction.
- Do not allow the device's connector to contact conductors, such as liquid, dust, metal fillings, and pencil leads. Contact with conductors may cause a short circuit or corrosion at the connector and result in explosion, fire, or damage to the device.
- Do not bite or suck the device. Children or animals can choke on small parts.
- Do not insert the device or supplied accessories into the eyes, ears, or mouth.
- Do not expose the device to heavy smoke or fumes.
- Keep the product dry. Humidity and liquids may damage the parts or short electronic circuits.
- Do not store your device in very hot or very cold areas. We recommend you use your device at temperatures from 0° C to 35° C.
- Do not use this product if it is cracked, broken, or its cable is damaged or wire is exposed.
- Do not attempt to disassemble, modify, or repair this product by yourself; repairs should be made by an authorized service agent.
- When cleaning your device, mind the following:
  - Unplug the product from its power source before cleaning. Use a damp cloth for cleaning, but NEVER use water to clean the product.
  - Wipe the device and its lens with a clean, soft cloth or a cotton swab.
  - Do not use chemicals or detergents. Doing so may discolor or corrode the outside of the device.
  - Do not wash the foam cushioning. Doing so may cause the foam cushioning to deteriorate.

**Environment**

Temperature
- Operating: 5 °C to 35 °C
- Non-operating: -20 °C to 60 °C

Humidity (non-condensing)
- Operating: 20% to 80%
- Non-operating: 20% to 60%

**Additional important regulatory information for your health and safety**

You can download more information from the Acer support website by going to: http://go.acer.com/?id=17883

**The using distance of the product**

The shortest distance between the antenna and the face is 36.4 mm when the user wears the VR.

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Suite 1500
San Jose, CA 95110
U.S.A.
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Fax: 1-254-298-4147
www.acer.com

## Federal Communications Commission
## Declaration of Conformity

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. For body worn operation, this device has been tested and meets FCC RF exposure guidelines. When used with an accessory that contains metal may not ensure compliance with FCC RF exposure guidelines.

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. l'appareil ne doit pas produire de brouillage, et, and
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Radiation Exposure Statement:
For body worn operation, this device has been tested and meets RF exposure guidelines when used with an accessory that contains no metal. Use of other accessories may not ensure compliance with RF exposure guidelines.

Déclaration d'exposition aux radiations RF:
Pour le fonctionnement du corps, ce téléphone a été testé et répond aux directives d'exposition RF lorsqu'il est utilisé avec un accessoire qui ne contient pas de métal. Utilisation d'autres accessoires peut ne pas assurer le respect des directives d'exposition RF.

The following local Manufacturer / Importer is responsible for this declaration:

| | |
|---|---|
| Product: | Head-mounted display |
| Brand: | acer |
| Regulatory model number: | H6001 |
| Sku name | AH501* (* is "0-9", "a-z", "A-Z", "-" or blank) |
| Name of responsible party: | Acer America Corporation |
| Address of responsible party: | 333 West San Carlos St., Suite 1500 San Jose, CA 95110, U. S. A. |
| Contact person: | Acer Representative |
| Phone no.: | 1-254-298-4000 |
| Fax no.: | 1-254-298-4147 |
| October 31, 2018 | |

### Disposal Instructions

Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle. For more information on the Waste from Electrical and Electronics Equipment (WEEE) regulations, visit www.acer-group.com/public/Sustainability

CE

acer
Acer Incorporated
8F, 88, Sec. 1, Xintai 5th Rd., Xizhi
New Taipei City 221, Taiwan

## EU Declaration of Conformity

We,
Acer Incorporated
8F, 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City 221, Taiwan
Contact Person: Mr. RU Jan, e-mail:ru.jan@acer.com
And,
Acer Italy s.r.l.
Via Lepetit, 40, 20020 Lainate (MI) Italy
Tel: +39-02-939-921, Fax: +39-02 9399-2913
www.acer.it

Product: Head-mounted display
Trade Name: acer
Regulatory model number: H8001
Sku name: AH501"(" is "0-9", "a-z", "A-Z", "-", or blank)

We, Acer Incorporated, hereby declare under our sole responsibility that the product described above is in conformity with the relevant Union harmonization legislation as following harmonized standards and/or other relevant standards have been applied:

**Electromagnetic compatibility (Directive 2014/30/EU)**
- EN 55032:2015+AC:2016-07 Class B
- EN 61000-3-2:2014 Class D
- EN 61000-3-3:2013
- EN 55024: 2010+A1:2015
- EN 301 489-1 V2.1.1
- EN 301 489-17 V3.1.1

**Radio frequency spectrum usage (Directive 2014/53/EU)**
- EN 300 328 V2.1.1

**Healthy and Safety (Directive 2014/35/EU)**
- EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013
- EN 62479:2010

**RoHS (Directive 2011/65/EU)**
- EN 50581:2012

Operation frequency and radio-frequency power are listed as below:
2402-2480MHz < 10 dBm

Year to begin affixing CE marking 2018.

RU Jan / Sr. Manager
Acer Inc. (Taipei, Taiwan)

Oct.15, 2018
Date

EAC

This product must be used in strict accordance with the regulations and constraints in the country of use. For further information, contact the local office in the country of use. Please see https://europa.eu/european-union/about-eu/countries_en for the latest country list.
The device is restricted to indoor use only when operating in the 5120 to 5350 Mhz frequency range.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK |
| | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL |
| | PT | RO | SK | SI | ES | SE | UK |

This device meets the EU requirements on the limitation of exposure of the general public to electromagnetic fields by way of health protection. The limits are part of extensive recommendations for the protection of the general public. These recommendations have been developed and checked by independent scientific organizations through regular and thorough evaluations of scientific studies. The unit of measurement for the European Council's recommended limit for mobile devices is the "Specific Absorption Rate" (SAR), and the SAR limit is 2.0 W/kg averaged over 10 grams of body tissue. It meets the requirements of the International Commission on Non-Ionizing Radiation Protection (ICNIRP).
For body worn operation, this device has been tested and meets the ICNIRP exposure guidelines and the European Standard, for use with dedicated accessories. Use of other accessories which contain metals may not ensure compliance with ICNIRP exposure guidelines. This equipment complies with the essential requirements of the European Union directive 2014/53/EU. See Statements of European Union Compliance, and more details refer to the attached Declaration of Conformity.

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